

Anesthesiology in 2024: Articles You Need to Know

Presented on Sunday, October 20, 2024, during ANESTHESIOLOGY® 2024, Philadelphia, PA

From the March 2024 issue:

[Long-term Outcomes with Spinal versus General Anesthesia for Hip Fracture Surgery: A Randomized Trial](#)

Emily A. Vail, M.D., M.Sc.; Rui Feng, Ph.D.; Frederick Sieber, M.D.; Jeffrey L. Carson, M.D.; Susan S. Ellenberg, Ph.D.; Jay Magaziner, Ph.D., M.S.Hyg.; Derek Dillane, M.D.; Edward R. Marcantonio, M.D.; Daniel I. Sessler, M.D.; Sabry Ayad, M.D.; Trevor Stone, M.D.; Steven Papp, M.D.; Derek Donegan, M.D.; Samir Mehta, M.D.; Eric S. Schwenk, M.D.; Mitchell Marshall, M.D.; J. Douglas Jaffe, D.O.; Charles Luke, M.D.; Balram Sharma, M.D.; Syed Azim, M.D.; Robert Hymes, M.D.; Ki-Jinn Chin, M.D.; Richard Sheppard, M.D.; Barry Perlman, Ph.D., M.D.; Joshua Sappenfield, M.D.; Ellen Hauck, D.O., Ph.D.; Ann Tierney, M.S.; Annamarie D. Horan, Ph.D.; Mark D. Neuman, M.D., M.Sc.; for the REGAIN (Regional versus General Anesthesia for Promoting Independence after Hip Fracture) Investigators

ANESTHESIOLOGY 2024; 140:375–86

Related Editorial: [REGAINing the Freedom to Choose Insensibility for Hip Fracture Surgery](#) (Elizabeth L. Whitlock, M.D., M.Sc.; Alexander K. Smith, M.D., M.P.H.)

From the April 2024 issue:

[Baseline Gastric Volume in Fasting Diabetic Patients Is Not Higher than That in Nondiabetic Patients: A Cross-sectional Noninferiority Study](#)

Anahi Perlas, M.D., F.R.C.P.C.; Maggie Z. X. Xiao, B.Sc.; George Tomlinson, Ph.D.; Binu Jacob, Ph.D.; Sara Abdullah, M.D.; Richelle Kruisselbrink, M.D., F.R.C.P.C.; Vincent W. S. Chan, M.D., F.R.C.P.C.

ANESTHESIOLOGY 2024; 140:648–56

Related Editorial: [Diabetic Patients, Assessment of Preoperative Gastric Contents, and Potential Reduction of Risk of Pulmonary Aspiration](#) (Mark A. Warner, M.D.)

From the June 2024 issue:

[Reversal of Propofol-induced Depression of the Hypoxic Ventilatory Response by BK-channel Blocker ENA-001: A Randomized Controlled Trial](#)

Simone C. Jansen, M.D.; Maarten van Lemmen, B.Sc.; Erik Olofsen, Ph.D.; Laurence Moss, M.D.; Joseph V. Pergolizzi, Jr., M.D.; Thomas Miller, Ph.D.; Robert D. Colucci, Pharm.D.; Monique van Velzen, Ph.D.; Philip Kremer, M.D., Ph.D.; Albert Dahan, M.D., Ph.D.; Rutger van der Schrier, M.D., Ph.D.; Marieke Niesters, M.D., Ph.D.

ANESTHESIOLOGY 2024; 140:1076–87

Related Editorial: [Reversal for Respiratory Depression: Let's Take a Breath!](#) (Thomas K. Henthorn, M.D.)

From the August 2024 issue:

[Safety and Efficacy of Vocacapsaicin for Management of Postsurgical Pain: A Randomized Clinical Trial](#)

Steven L. Shafer, M.D.; Sam L. Teichman, M.D.; Ira J. Gottlieb, D.P.M., D.A.B.P.S.; Neil Singla, M.D.; Harold S. Minkowitz, M.D.; David Leiman, M.D.; Benjamin Vaughn, M.S., R.A.C.; John F. Donovan, M.D.

ANESTHESIOLOGY 2024; 141:250–61

Related Editorial: [A Spicy New Treatment for Postoperative Pain](#) (J. David Clark, M.D., Ph.D.)

From the August 2024 issue:

[Accuracy and Precision of Three Acceleromyographs, Three Electromyographs, and a Mechanomyograph Measuring the Train-of-four Ratio in the Absence of Neuromuscular Blocking Drugs](#)

Zain Wedemeyer, B.S.; Kelly E. Michaelsen, M.D., Ph.D.; Srdjan Jelacic, M.D., F.A.S.E.; Willis Silliman, M.S.; Aidan Lopez, B.S.; Kei Togashi, M.D., M.P.H.; Andrew Bowdle, M.D., Ph.D., F.A.S.E.

ANESTHESIOLOGY 2024; 141:262–71

Related Editorial: [Accuracy and Precision of Acceleromyography, Electromyography, and Mechanomyography: Time to Rethink What We Know](#) (Sorin J. Brull, M.D., F.C.A.R.C.S.I. (Hon.); Thomas Fuchs-Buder, M.D.)

From the September 2024 issue:

[Comparison of Differences in Cohort \(Forward\) and Case Control \(Backward\) Methodologic Approaches for Validation of the Hypotension Prediction Index](#)

Simon J. Davies, F.R.C.A., M.D.; Daniel I. Sessler, M.D.; Zhongping Jian, Ph.D.; Neal W. Fleming, M.D., Ph.D.; Monty Mythen, F.R.C.A., M.D.; Kamal Maheshwari, M.D.; Denise P. Veelo, M.D., Ph.D.; Alexander P. J. Vlaar, M.D., Ph.D.; Jos Settels, M.S.; Thomas Scheeren, M.D., Ph.D.; B. J. P. van der Ster, M.D., Ph.D.; Michael Sander, M.D., Ph.D.; Maxime Cannesson, M.D., Ph.D.; Feras Hatib, Ph.D.

ANESTHESIOLOGY 2024; 141:443–52.

Related Editorial: [Shedding Needed Light on a Black Box Approach to Prediction of Hypotension](#) (Simon T. Vistisen, Ph.D.; Martin J. London, M.D.; Michael R. Mathis, M.D.; Wilton A. van Klei, M.D., Ph.D.; Snehalata Huzurbazar, Ph.D.; Matthias Jacquet-Lagrèze, M.D, M.Sc.)

From the September 2024 issue:

[Hypotension Prediction Index Is Equally Effective in Predicting Intraoperative Hypotension during Noncardiac Surgery Compared to a Mean Arterial Pressure Threshold: A Prospective Observational Study](#)

Marijn P. Mulder, M.Sc.; Mirjam Harmannij-Markusse, M.Sc.; Libera Fresiello, Ph.D.; Dirk W. Donker, M.D., Ph.D.; Jan-Willem Potters, M.D., Ph.D.

ANESTHESIOLOGY 2024; 141:453–62.

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Questions?

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